

CLAIMS

- 1 - Method to make holes for components of wings for doors or windows of the type comprising a frame consisting of at least an upright (14) on which are mounted, with the  
5 respective axes distanced from each other, a plurality of blinds (16) oscillating with respect to at least one axis, said blinds (16) being arranged contiguous to each other and having at least a substantially standardized height which cannot be modified during assembly, characterized in that,  
10 in order to calculate the number of blinds (16) which can be applied in the wing and to calculate the interaxis "p" of the assembly holes (17) for said blinds (16), it provides  
the following steps:  
- the height of the wing gap is divided by the standardized  
15 height of said blinds (16);  
- the result of this division is rounded up to obtain a whole number;  
- the value of the overlap between each blind (16) is calculated according to the whole number of blinds (16) to be applied;  
- the value of the overlap obtained from this calculation is compared with a pre-defined minimum value;  
- if the overlap value is more than said minimum value, the  
25 number of blinds (16) to be applied is maintained, and the pitch "p" is calculated by dividing the height of the wing gap by said number of blinds (16);  
- if the overlap value is less than said minimum value, the number of blinds (16) is increased by one unit, the overlap is again calculated and compared with the pre-defined minimum value, and the pitch "p" is calculated according to the new number of blinds (16).  
30 2 - Method as in claim 1, characterized in that it provides a step to verify that the overlap value is lower than a pre-
- (a) 7032  
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defined maximum value.

- 3 - Device to make holes for components of wings for doors or windows of the type comprising a frame consisting of at least an 'upright' (14) on which are mounted, with the  
5 respective axes distanced from each other, a plurality of blinds (16) oscillating with respect to at least one axis, said blinds (16) being arranged contiguous to each other and having a substantially standardized height which cannot be modified during assembly, said device comprising at least a  
10 hole-making assembly (12) movable in a controlled fashion on guide means (15), a base (13), and a control panel (11) associated with at least a command and control unit, characterized in that said command and control unit (21) is able to receive input data relating to at least the height  
15 of the wing gap and the standardized height of the blinds (16) to be mounted, to calculate the number of blinds (16) which can be applied and the relative pitch "p" to obtain a value of overlap between the blinds (16) greater than a pre-defined minimum value, and to command said hole-making  
20 assembly (12) to make a plurality of holes (17), automatically and sequentially, at intervals according to said pitch "p" along said upright (14).
- 4 - Device as in claim 3, characterized in that said base (13) comprises at least a positioning and clamping element (22) able to position and clamp said upright (14) in the position in which it will be holed by said hole-making assembly (12).
- 5 - Device as in claim 4, characterized in that said positioning and clamping element (22) is able to clamp two  
25 or more uprights (14) one on top of the other in a hole-making position, and that said hole-making assembly (12) is able to support a head (19) equipped with a plurality of  
30 drill bits (20) mating in number with that of the uprights

(14) worked simultaneously.

6 - Device as in claim 3, characterized in that said hole-making assembly (12) is able to move on three axes in order to position a relative hole-making head (19) in cooperation  
5 with one side of said upright (14) to be holed.